

Title (en)
A transmission device for vehicles

Title (de)
Getriebevorrichtung für Fahrzeuge

Title (fr)
Dispositif de transmission pour véhicules

Publication
EP 2881315 A3 20160727 (EN)

Application
EP 14194572 A 20141124

Priority
IT VR20130273 A 20131209

Abstract (en)
[origin: EP2881315A2] Described is a transmission 1 for means of transport comprising: a driving shaft 10 suitable for being positioned on the axis ("X") of a pedals and wheel assembly 100, an intermediate shaft 20 comprising a plurality of first transmission units 200 rotated by a gear wheel 12 fixed on the driving shaft 10, a user shaft 30 comprising a respective plurality of second transmission units 300 and at least one output 32 of the transmission 1, wherein each second transmission unit 300 rotated by a respective first transmission unit 200. The transmission 1 also comprises a rigid supporting element 60 structured for forming at least one fixed support for at least the intermediate shaft 20 and a measuring element 70 comprising a first portion 71 with controlled deformation forming at least one mobile support for the intermediate shaft 20 wherein the intermediate shaft 20 can rotate relative to the mobile support 71 and a second supporting portion 72 interposed between the first portion 71 and the rigid supporting element 60.

IPC 8 full level
B62M 6/50 (2010.01); **B62M 11/06** (2006.01); **G01L 3/10** (2006.01)

CPC (source: EP)
B62M 6/50 (2013.01); **B62M 6/55** (2013.01); **B62M 11/06** (2013.01); **G01L 3/108** (2013.01)

Citation (search report)

- [Y] DE 10339304 A1 20050519 - FEO ELEKTRONIK GMBH [DE]
- [Y] US 3832897 A 19740903 - SCHENCK C
- [Y] DE 102010001775 A1 20110811 - BOSCH GMBH ROBERT [DE]
- [A] US 2012204658 A1 20120816 - MERCAT JEAN-PIERRE [FR], et al
- [A] US 2012285264 A1 20121115 - SASAKI BUNGO [JP]

Cited by
EP4400402A3; EP4400402A2; WO2023031291A3; WO2023218645A1; EP3431380A1; DE102017212347A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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